

GRUNDIG

WORLD RECEIVER

TRAVELLER II DIGITAL

AUTHORIZED GRUNDIG STORE

agsradio.com

Toll Free US & Canada 1 866 282 4801

AUTHORIZED GRUNDIG STORE

As a proud representative of Grundig's radio products, the Authorized Grundig Store is pleased to offer this support manual, as delivered OEM Grundig AG with Traveller II Digital radio. It is available on the world wide web through our website in Postscript Document Format (pdf) and may be downloaded free of charge, viewable with the recommended utility Adobe Acrobat Reader 4.0 or later.

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IMPORTANT NOTICE

NEED HELP? CALL OUR SHORTWAVE HOTLINE

If, after reading this owner's manual, you need help learning to operate your TRAVELLER II DIGITAL, call GRUNDIG toll free, Monday through Friday, 8.30 am to 4.30 pm, PST at:

**1-800-872-2228 from the U.S.
1-800-637-1648 from Canada**

OWNER'S RECORD

This model is the GRUNDIG TRAVELLER II DIGITAL, hereafter referred to as TRAV IID.

The serial number is located on the sticker inside the battery compartment. Refer to this number whenever you call GRUNDIG regarding this product.

IMPORTANT NOTES FOR USERS IN THE UNITED KINGDOM

Mains Plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- Remove fuse cover and fuse.
- Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place. If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

IMPORTANT NOTICE

How to connect a plug

The wires in the mains lead are coloured with the following code: blue=neutral (N), brown=live (L). As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- DO NOT connect either wire to the earth terminal in the plug, marked E (or \triangle) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead – not simply over the two wires.

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INTRODUCTION

SHORT-WAVE (SW)

Your world receiver can receive an number of wavebands. Most of these are known and tuning to the required station will soon become a matter of routine, as the stations are always to be found at the same place on the dial and are thus tied to a fixed wavelength and frequency. With short-wave this is unfortunately not always the case. Short-wave transmitters have to change their wavelength fairly often. In the short-wave range between 10 and 100 meter wavelength (frequencies of 30-3 MHz resp.) nine bands between 10 and 50 meters are allocated to short-wave broadcasting, with another four bands between 60 and 120 meters for broadcasting in the Earth's tropical areas. The latter are roughly located between the latitudes of 30° north and 30° south, ie, around the equator. Most short-wave broadcasting bands, indicated in the short-wave table, are allocated for the whole world and can be used for international broadcasting. They are so far the only wavelengths which allow direct reception over long distances. So in addition to the broadcasting services, there is a large number of other users of short-wave for example radio amateurs, shipping and aviation, radio navigation, etc.

TIME ZONES

The Earth rotates around its axis in 24 hours and around the sun in one year. These movements are responsible for the time differences and the seasons on the Earth. Due to the direction of the rotation of the Earth it is always earlier in the day to the west of where you are and later in the day to the east of where you are.

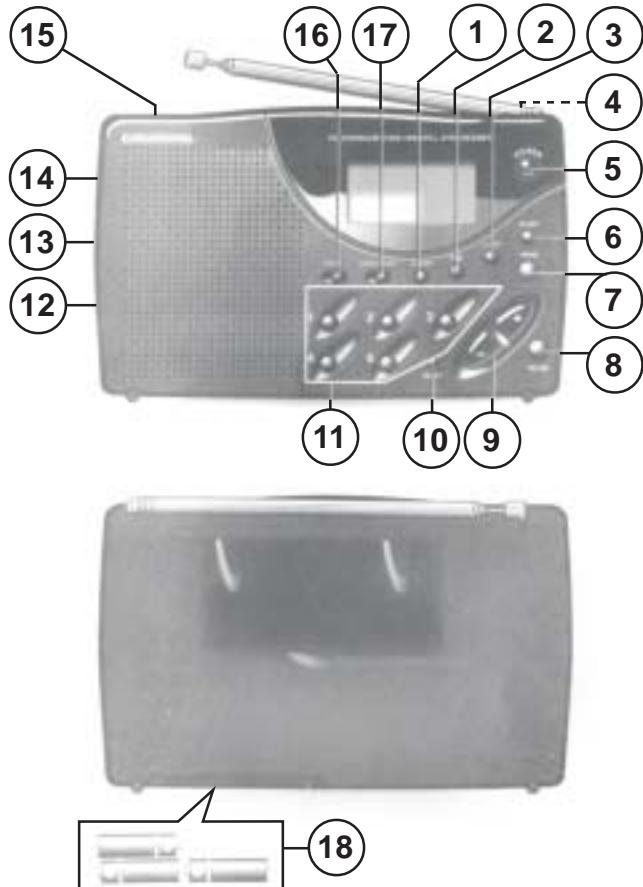
The Earth is divided into 24 time zones with a difference of one hour between adjacent zones. The system is based on one standard time zone, namely **UTC** (Coordinated Universal Time), previously **GMT** (Greenwich Mean Time). Generally speaking, short-wave stations announce their broadcasts in **UTC**.

USE OF THE STAND

Fold out the stand on the rear of the set. You may now use the set in an inclined position.

CONTROLS

1. **ALARM** - for switching the alarm On and Off
2. **TIME** - for setting the display mode and setting the time
3. **LIGHT** - for illuminating the display
4. **FM MW SW1 SW2** switch - band selector switch
5. **POWER** - for switching the radio On and Off
6. **SLEEP** - for switching on the sleep function and setting the sleep timer
7. **MEMO** - for programming stations into the memory
8. **METER (SW)** - for selecting the short-wave band
9. + - **TUNING UP DOWN/ MINUTE HOUR** buttons
 - for turning On a radio station
 - for setting Minutes/Hours
10. **RESET** - for erasing the memory
11. **PRESET 1... 5** buttons - for selecting and storing preferred stations
12. **DC 4, 5 V** - connection socket for a mains adaptor
13. **HEADPHONES** socket - for connecting headphones
14. **MONO/STEREO** - for mono/stereo selections
15. **VOLUME** - for adjusting the volume
16. **LOCK** switch - for blocking all button functions
17. **RADIO/BUZZ** - for setting the alarm for radio or buzz
18. **BATTERY COMPARTMENT**



DISPLAY FEATURES

DISPLAY

The display provides information about the functioning of your world receiver:

- While the radio is switched Off, the current time will be indicated. The first time it is used, or if the memory is erased, '0:00' will appear on the display.
- When the radio is switched On, the frequency in KHz or MHz and the waveband FM, MW, SW1, or SW2 will be indicated.
- When the alarm is switched On, the alarm mode (ALARM and  radio or  buzzer) will be indicated.
-  this indicator lights up when a certain station is correctly tuned.
-  indicates stereo reception for FM.
- MEMO lights up when you are storing stations.
- LOCK indicates that all buttons are locked.
- SLEEP indicates that sleep time function is active.
-  indicates that batteries should be replaced.



The settings are easy to check:

When the radio is Off:

- The display shows the current time mode.
 - If you wish to check the alarm time setting, press TIME briefly.
- The display will show the set alarm time
 - The alarm is enabled when the display shows steady alarm signs.
 - The alarm is disabled when the display shows no alarm signs  
- The display will return to the current time automatically after five seconds (or press TIME briefly)

When the radio is On:

- The display shows the frequency.
 - If you wish to check the current time, press TIME briefly.
 - If you wish to check the set alarm time, briefly press TIME twice.
- The display will show the set alarm time
 - The alarm is enabled when the display shows steady alarm signs.  
 - The alarm is disabled when the display shows no alarm signs.
- The display will return to the frequency indication automatically after five seconds (or press TIME briefly).

BATTERIES

- Open the battery compartment and insert 3 AA type alkaline batteries.



- Remove the batteries when they are exhausted or if they are not going to be used for a long period of time.

NOTE: If the 4.5 D VC socket is in use, the battery supply will switch off automatically.

Warning for weak batteries

When the batteries run low, the sound volume declines gradually. Continued operation with low batteries causes the radio to turn off automatically, other malfunctioning and losing programmed time settings and preset radio stations. In this case, remove the batteries and place a paper clip into the RESET hole.



Readjust the timer settings and the preset radio stations. To prevent that the radio is turned on accidentally, use the LOCK switch when packing the radio or putting it away.

POWER SUPPLY FEATURES

AC MAINS ADAPTOR (NOT INCLUDED)

You can connect the set to the mains using a mains adaptor. Only use a mains adaptor which supplies 4.5 V DC with the negative pole at the center pin of the plug.

Before connecting the mains adaptor

- Check that the mains voltage indicated on the type plate of the adaptor matches your local mains voltage.
- If the mains adaptor is equipped with a voltage selector, set this to the local voltage.
- Connect the mains adaptor to the 4.5 V DC socket of the set and to the wall socket.

POWER FAILURE

- If the power supply is interrupted, the programmed time settings and preset radio stations will be kept in the memory for 10 minutes or more.
- If the AC power is disconnected from the 4.5 V DC socket, the batteries (if present) will take over the power supply.

9 / 10 kHz SELECTOR

The minimum ‘frequency distance’ (span division) between adjacent radio stations (measured in kHz) is standardized all over the world. However, North and South America use another standard than the rest of the world. This means that the radio should use a tuning step according to the standard concerned in order to obtain accurate radio tuning.

The 9 / 10 kHz switch (in the battery compartment) allows accurate tuning for both standards.



Position 10 kHz for the Americas

- MW tuning step 10 kHz

Position 9 kHz for the rest of the world

- MW tuning step 9 kHz

SW TUNING MODE

SW METER BAND / CONTINUOUS

Your TRAV IID has a built-in Short-Wave Frequency Tuning Mode select switch inside the battery compartment.

- **Select A** if you only want to get reception for the stations with the frequency within the meter-bands.
- **Select B** in case you wish to obtain the frequencies in between the gaps of the meter-bands.

ANTENNA

FM

- For FM reception extend the telescopic antenna fully. To improve the reception you can incline and rotate the antenna. If the FM signal received is too strong (in the direct vicinity of the transmitter) you can retract the antenna.

MW

- For the medium wave (MW) the set has a built in antenna, so the telescopic antenna is not needed. You can direct the antenna by turning the set itself.

SW

- For short wave reception (SW) extend the telescopic antenna and position it vertically.

RADIO RECEPTION

- Ensure that the LOCK switch is Off.
- Press POWER to switch the radio On.
 - The frequency in the wave-band will appear in the display.
- Adjust the volume with the VOLUME control. You can connect headphones to the HEADPHONES socket.
 - The loud speaker will then be switched off.
- Set the wave range with the FM, MW, SW1, SW2 switch.
- If you select SW with the FM, MW, SW1, SW2 switch press METER (SW) to select the required meter band of the short-wave. (See chart at right.)

The chosen short-wave band and the frequency will appear in the display:



- Tune to a radio station either manually, automatically or with the PRESET buttons (See TUNING TO A STATION, page 11).
- Press POWER once again to turn the radio Off.
 - The display will now indicate the current time.

SHORTWAVE BAND RANGES

SW1 (Mhz)	2.30 - 7.40	
SW M-Band	2.30 - 2.55	(120 m)
	3.15 - 3.45	(90 m)
	3.85 - 4.05	(75 m)
	4.70 - 5.15	(60 m)
	5.75 - 6.30	(49 m)
	7.05 - 7.40	(41 m)
SW2	9.40 - 26.10	
	9.40 - 10.05	(31 m)
	11.50 - 12.20	(25 m)
	13.50 - 13.90	(22 m)
	14.95 - 15.70	(19 m)
	17.40 - 18.00	(16 m)
	21.30 - 21.95	(13 m)
	25.60 - 26.10	(11 m)

TUNING TO A STATION

There are two possibilities for tuning into a station:

- **Automatically** - the stations are sought automatically.
- **Manually** - this is easy if the frequency of the station is already known (eg. from your radio or television guide).

AUTOMATIC TUNING

- Keep + or - (TUNING UP or DOWN) pressed down until the frequency on the display changes continuously. Tuning will stop automatically as soon as a station is found.
- Repeat this until you have found the desired station.

AUTOMATIC TUNING

- Keep + or - (TUNING UP or DOWN) pressed down until you come close to the desired frequency.
- Then briefly press the other TUNING button; the tuning will stop.
- Then press + or - (TUNING UP or DOWN) repeatedly until you reach the desired frequency.

PRESET RADIO STATIONS

You can program 20 stations into the memory, 5 on each wave-band.

Programming

- Press POWER button to switch on the radio.
- Tune to a radio station Automatically or Manually.
- Press the MEMO button. The 'MEMO' sign starts flashing on the display.
- Press the PRESET button to store the selected station.
- Press the MEMO button again to complete the storing procedure.
 - The program indicator 'MEMO' disappears from the display and the preset number that was stored is shown in the right corner of the display.
- Repeat these steps for the other stations you wish to program.

PRESET RADIO STATIONS

Calling up preset stations

- Select the wave range with FM, MW, SW1, SW2 switch.
- Press one of the PRESET 1... 5 buttons.
 - The frequency and the Preset number will appear on the display:



CLOCK

Setting the current time

- Press TIME to select the display in current time mode.
- Keep TIME pressed until the time digits start flashing.
- Keep + or - (MINUTE/HOUR) pressed until the time on the display changes continuously.
- Release the button again as soon as you come close to the current time.
- Press + or - (MINUTE/HOUR) repeatedly. The time will now change step by step until you reach the current time.
 - After five seconds the display will return to the previous situation.

ALARM

You can use your Trav IID as an alarm clock. To use this function you first have to set the alarm time. You will be woken by a bleep or by the radio.

SETTING THE ALARM TIME

- Press TIME to select the display in alarm time mode.
- Keep TIME pressed until the time digits start flashing.
- Keep + or - (MINUTE/HOUR) pressed until the alarm time on the display changes continuously.
- Release + or - (MINUTE/HOUR) as soon as you come close to the desired alarm time.
- Press + or - (MINUTE/HOUR) repeatedly.
 - The alarm time will now change step by step until you reach the desired alarm time.
 - After five seconds the display will return to the previous situation.

SWITCHING THE ALARM ON

- Press ALARM ON/OFF.
 - The alarm sign will appear on the display.



SWITCHING THE ALARM OFF

- Press ALARM ON/OFF.
 - The alarm sign will disappear on the display.
- When the alarm sounds, you can also switch the alarm Off by pressing the POWER button.

SLEEP

Your Trav IID is equipped with a sleep function. It enables you to continue listening to the radio while you fall asleep. After 90, 80, 70 ... 10 minutes the radio will be switched Off automatically.

SETTING THE SLEEP FUNCTION ON

- Press POWER to turn On the radio.
Keep SLEEP pressed. The SLEEP indication will appear on the display and the length of time changes continuously.
- Release SLEEP button as soon as you reach the desired sleep time.
 - The frequency and the ‘SLEEP’ indication will then appear on the display:



SETTING THE SLEEP FUNCTION OFF

The sleep function can be switched Off before the set time has elapsed:

- Press POWER once briefly.
 - The ‘SLEEP’ indication will disappear from the display and the radio will switch Off:

LOCK SWITCH

By setting the LOCK switch to the ‘LOCK’ position, a function is no longer interrupted when a button is accidentally touched.



The LOCK position is very useful:

- When carrying the radio with you, radio reception cannot be interrupted;
- When packing the radio, or putting it away, it cannot be switched On accidentally.

- Set the LOCK switch in the ‘LOCK’ position.
 - The ‘LOCK’ symbol will appear on the display:



- Now you can only adjust VOLUME, FM, MW, SW1, SW2 and MONO/STEREO.
- Reset the LOCK switch in order to switch the Lock function Off again.

GENERAL INFORMATION

WARNINGS

- Rain, damp and excessive heat are bad for the radio and the batteries.
- DO NOT leave the set for any length of time in direct sunlight or other places where high temperatures can occur, such as a vehicle parked in the sun.
- Leave repairs to a recognized dealer or service organization.
- If you decide to repair the set yourself, the guarantee will be invalidated.

RECYCLING

Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

- All redundant packaging material has been omitted. We have done our utmost to make the packaging easily separable into three mono-materials:
 - Cardboard (box), expandable polystyrene (buffer) and polyethylene (bags, protective foam sheet).
- All materials can be recycled if disassembled professionally.
- DO NOT dispose of batteries with your household waste.

TECHNICAL SPECIFICATIONS

Power Supply - by 3x 1.5 V batteries (AA)
External supply - by a commercial 4.5 V DC mains unit

Output Power - 250 mW

Built-in Antenna - Telescopic antenna for FM and SW
- Ferrite rod antenna for MW

Connecting sockets

For external voltage supply DC 4.5V

Coaxial socket (outer diameter 5.5 mm, inner diameter 2.1 mm)

Neutral conductor connected to chassis

For earphone/headphone 

Socket for jack plug of 3.5 mm Ø, 32 Ohm impedance

Wavebands	FM	87.5	108 Mhz
	MW (10 kHz steps)	520	1710 kHz
	MW (9 kHz steps)	522	1620 kHz
	SW1	2.30	7.40 MHz
	SW2	9.40	26.10 MHz

Tuning Steps	FM	50 kHz
	AM	5 kHz
	resp. MW	/9/10 kHz

Dimensions approx. 138w x 90h x 35d mm

Weight approx. 590 g

TROUBLESHOOTING GUIDE

If a fault occurs first check the points listed below before taking the set for repair. If you are unable to remedy the problem by following these hints, consult a qualified dealer or service centre.

Legend: – *Possible cause*

- Remedy

Power button does not operate

- *LOCK switch is activated*
- Switch Off the LOCK switch

No sound

- *VOLUME is not adjusted*
- Adjust the VOLUME control
- *Headphones (or earphones) are connected*
- Disconnect the headphones (or earphones)
- *Batteries are exhausted*
- Insert fresh batteries (3 x AA)
- *Mains lead is not securely connected*
- Connect the mains lead properly

Poor sound quality

- *Batteries are nearly exhausted*
- Insert fresh batteries (3 x AA) or use mains adaptor

Poor radio reception

- *Weak radio antenna signal*
- Aim the antenna for best reception:
 - FM: incline and rotate telescopic antenna
 - AM (MW/LW): rotate the entire set
 - SW: extend telescopic antenna vertically
- *Interference by the vicinity of electrical equipment like TVs, video recorders, computers, thermostats, fluorescent lamps (TL), engines, etc.*
- Reposition the set away from the interfering equipment

Alarm does not function

- *Alarm is not adjusted*
- Adjust the alarm time
- *Headphones (or earphones) are connected*
- Disconnect the headphones (or earphones)

TROUBLESHOOTING GUIDE

Set does not react to operation of any button

- *Electrostatic discharge*
- Switch Off the set, disconnect the mains plug, reconnect after a few seconds
- *LOCK switch is activated*
- Switch Off the LOCK switch

Malfunctioning and losing time settings and preset radio stations

- *Continued operation with weak batteries*
 - 1. Remove the batteries
2. Press a paper clip through the RESET hole
3. Insert fresh batteries
4. Readjust the time settings and preset radio stations
- Advice:** Set the LOCK switch to ON when packing the set or putting it away

This unit complies with the radio interference requirements as laid down in EC (European Community), USA's FCC regulations and UDC/CSA standards.

The type plate is located on the back of the set.